**1.** 20 cm

**2.** 10 cm

**3.** obtuse

**4.** 26 cm

**5.** $\left(\frac{\sqrt{3}}{2}, \frac{1}{2}\right)$

**14.** isosceles right

**15.** No. The closest she can come to camp is 10 km.

**16.** No. The 15 cm diagonal is the longer diagonal.

**17.** 1.4 km; $8\frac{1}{2}$ min

**18.** yes

**19.** 29 ft

**23.** $6\sqrt{3}$ and 18

**27.** (0, 1), (0, −5), and (4, −1) are points on the circle because when you substitute each point into the equation, it creates a true statement.

**29.** Rectangle

**31.** Square

**33.** $C(-5, -3)$; $r = 2$